Renewals of Active Grants Approved through August, 1956

#93R1 - Richard L. Wechsler, M.D., Clinical Physiologist, Montefiore Hospital Institute of Research, 3459 Fifth Avenue, Pittsburgh 13, Pennsylvania. "Effect of Cigarette Smoking and Intravenous Nicotine on Cerebral Blood Flow, Cerebral Metabolism, Blood Gases, Blood pH, Arterial Pulse Pressure Curves, Electrocardiograms, and Electroencephalograms in People of the Older Age Group with Arteriosclerosis."
$10,000.00 - One year

#70R1 - Jack Freund, M.D., Lecturer in Pharmacology, Medical College of Virginia, Richmond 19, Virginia. "Further Investigation of the Physiological Effects of Sham and Actual Smoking on the Peripheral Circulation in the Normal Individual."
$8,718.00 - Six months

#89R1 - Caroline Bedell Thomas, M.D., Department of Preventive Medicine, The Johns Hopkins University School of Medicine, 700 North Wolfe Street, Baltimore 5, Maryland. "The Significance of Individual Smoking Patterns in Healthy Young Adults."
$2,000.00 - One year (Supplement to grant approved in May)

#29BR1 -F. Homburger, M.D., Director of Cancer Research and Cancer Control Unit, New England Center Hospital, 30 Bennet Street, Boston, Massachusetts. "A Study on the Effects of Various Components of Tobacco and Cigarette Paper upon the Behavior of Transplantable Tumors."
$25,760.00 - One year

#12R2 - B. L. Freedlander, M.D., Director of Cancer Research, Mount Zion Hospital, 1600 Divisadero Street, San Francisco 15, California. "Experiments on the Carcinogenic and Co-carcinogenic Action of Tobacco Products."
$11,800.00 - One year

#85R1 - Sam Sorof, Ph.D., Associate Member, The Institute for Cancer Research and Lankenau Hospital Research Institute, 7701 Burholme Avenue, Fox Chase, Philadelphia 11, Pa. "Chemical and Physical Studies on the Tissue Proteins Involved in Chemical Carcinogenesis."
$18,855.00 - One year

#79R1 - Joseph B. Kirsner, M.D., Professor of Medicine, University of Chicago, Department of Medicine, 950 East 59th Street, Chicago 37, Illinois. "Effect of Tobacco Smoking upon Basal Gastric Secretion in Man - Part II."
$9,188.00 - One year

#24R1 - Harvey B. Haag, M.D., Professor of Pharmacology, Medical College of Virginia, Richmond 19, Virginia. "Preparation for Publication of a Book on the Biologic Aspects of Tobacco and its Smoke."
$3,274.40 - Two months

#31R2 - G. Y. Gottschall, Ph.D. (Hans T. Clarke) Assistant Professor of Biochemistry, Columbia University, College of Physicians and Surgeons, 630 West 168th Street, New York. "Biochemistry of White Blood Cells."
$16,458.00 - One year

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Renewals of Active Grants Approved through August, 1956 - Cont'd.

#104R1 - Josef Brozek, Ph.D., Professor, Laboratory of Physiological Hygiene, University of Minnesota, Stadium, Gate 27, Minneapolis 14, Minnesota. "Biological Characteristics of Men and Their Smoking Habits."
$15,000.00 - One year

#84R1 - Isaac Schour, D.D.S., Ph.D., D.Sc., Professor of Histology and Embryology and Dean, University of Illinois College of Dentistry, Chicago 12, Illinois. "Histologic Changes in the Oral, Pharyngeal and Nasal Tissues of Experimental Animals Subjected to Tobacco Smoke."
$17,687.69 - One year

Renewals of Active Grants Approved through December, 1956

#116R1 - Ancel Keys, Ph.D., Director, Laboratory of Physiological Hygiene, University of Minnesota, Stadium, Gate 27, Minneapolis 14, Minnesota. "Comparative Epidemiology of Smoking and of the Incidence of Heart Disease."
$8,800 - One year

#44R2 - Hans L. Falk, Ph.D., Assistant Professor of Biochemistry, University of Southern California School of Medicine, 1200 North State Street, Los Angeles 33, California. "The Experimental Production of Hydrocarbons in Simulated Cigarette Smoking - Their Analysis and Quantitation."
$11,385.00 - One year

#54R2 - Frederick W. Barnes, Jr., M.D., Associate Professor of Medicine, The Johns Hopkins University School of Medicine, 710 North Washington Street, Baltimore 5, Maryland. "Restorative Response of Tissues - Circulation of Tissue Proteins in Serum Globulins."
$9,500.00 - One year

#32R2 - Leopold R. Cerecedo, Ph.D., Professor of Biochemistry, Department of Chemistry, Fordham University, New York 58, New York. "A Study of Early Chemical Changes in the Lungs of Tumor-bearing Rats and Mice."
$10,925.00 - One year

#117R1 - Victor Richards, M.D., Professor of Surgery, Stanford University School of Medicine, Clay and Webster Streets, San Francisco 15, California. "A Comparative Study of the Effects of Whole and Fractionated Extracts of Cigarette Smoke and Those of Known Carcinogens on I. The Cytology and Nuclear DNA Content of Epidermis in Various Strains of Mice."
$19,000 - One year

#52R2 - William S. Murray, Sc.D., Administrative Director, Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine. "The Production of Genetically Controlled Animals and Tumors for Possible Use by TIRC Grantees in Experimental Research on Tobacco in Relation to Health by (a) The Expansion of Known Inbred Stocks and Sources of Tumor Supply; (b) The Production of Such Hybrids or Heterozygous Types as Becomes Necessary; and (c) The Relation of this Material to Specific Experimental Work at the Laboratory.
$32,359.00 - One year

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Renewals of Active Grants Approved through December, 1956 - Cont'd.

#4AR1 - Simon H. Wender, Ph.D., Research Professor of Chemistry, University of Oklahoma - Research Institute, Norman, Oklahoma. "Qualitative and Quantitative Studies of the Individual Polyphenol Content of Cigarette Tobacco and of the Smoke and "Tars" Resulting from Cigarette Smoking; and also to Study the Fate of these Compounds in the Animal Respiratory System."
$8,970.00 - One year

#42R2 - Charles McArthur, Ph.D. (Heath-Farnsworth) Psychologist to the University Health Services, Harvard University, 78 Mt. Auburn Street, Cambridge, Massachusetts. "Monograph on Social and Personal Determinants of Smoking Behavior."
$7,500.00 - Six months

#25R2 - Herbert R. Hawthorne, M.D., Chairman, Department of Surgery, Graduate School of Medicine, University of Pennsylvania, 19th & Lombard Streets, Philadelphia 46, Pennsylvania. "The Attempted Production of Pulmonary Neoplasms in Experimental Animals by Exposure of the Tracheo-Bronchial System to Tobacco Smoke."
$30,000.00 - One year

#50R2 - Pathologic-Anatomic Study of Cellular Changes in Human Lungs.
$32,026.00 - Six months

A.	Russell W. Weller, M.D., Ephrata Community Hospital, Ephrata, Pa.	$4,148.00
C.	Kenneth P. Knudtson, M.D., University of Washington, Seattle, Wash.	$2,502.00
D.	Russell S. Fisher, M.D., University of Maryland, Baltimore 2, Md.	$3,542.00
E.	D. Murray Angevine, M.D., The University of Wisconsin, Madison 6, Wisc.	$3,021.00
G.	E. M. Butt, M.D., Los Angeles County General Hospital, Los Angeles 33, Calif.	$3,047.00
H.	Russell L. Holman, M.D., Louisiana State University, New Orleans 12, La.	$4,253.00
I.	Thomas C. Laipply, M.D., Northwestern University Medical School, Chicago 11, Ill.	$2,387.00
J.	H. R. Pratt-Thomas, M.D., Medical College of South Carolina, Charleston, S.C.	$2,867.00
* K.	William H. Carnes, M.D., Stanford University School of Medicine, San Francisco 15, Calif.	$2,781.00
L.	Marvin Kuschner, M.D., New York University-Bellevue Medical Center, New York 16, N. Y.	$3,478.00

* Now at University of Utah, Salt Lake City 15, Utah.

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Grants Approved January 1956

#117 - Victor Richards, M.D., Professor of Surgery, Executive Head of Department of Surgery, Stanford University School of Medicine, Sacramento and Webster Streets, San Francisco 15, California. "A Comparative Study of the Effects of Whole and Fractionated Extracts of Cigarette Smoke and Those of Known Carcinogens on I. The Cytology and Nuclear DNA Content of Epidermis in Various Strains of Mice and/or II. The Cytology and Nuclear DNA Content of Lung and Epithelium of the Bronchial Tree of Mice and Hamsters." $33,800.00 - One year

Grants Approved May 1956

#126 - James Bonner, Ph.D., Professor of Biology, California Institute of Technology, 1201 East California Street, Pasadena, California. "Enzymatic Study of Methylation Reactions in Plant Tissue." $9,680.00 - One year

#128 - Paul S. Larson, Ph.D., Professor of Pharmacology, Medical College of Virginia, Richmond 19, Virginia. "Enzymatic Transformations of Nicotine." $29,080.00 - One year

#134 - Tissue Culture

(a) Contribution to Tissue Culture Association $5,000
One year

(b) George O. Gey, M.D., Johns Hopkins University. Fellowship for Study of the Culture of Human Lung Tissue in Vitro - One year $8,000

#123 - Jerry Hart Jacobson, M.D., Director, Division of Electrophysiology, New York Eye and Ear Infirmary. "A Comparison of Electroretinography as a Means of Evaluating the Effect of Vasoconstrictor Drugs Upon Cerebral and Retinal Circulation to Other Techniques for this Determination." $4,200.00 - One year

#85 - Sam Sorof, Ph.D., Associate Member, The Institute for Cancer Research and the Lankenau Hospital Research Institute, 7701 Burholme Avenue, Fox Chase, Philadelphia 11, Pennsylvania. "Chemical and Physical Studies on the Tissue Proteins Involved in Chemical Carcinogenesis." $2,160.00 - Supplement to original grant.

Grants Approved August 1956

#117 - Victor Richards, M.D., Professor of Surgery, Stanford University School of Medicine, Sacramento & Webster Streets, San Francisco 15, California. $800.00 - Supplement to grant approved January, 1956. To be used for purchase of a new Frieden calculator.

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Grants Approved August 1956 - Cont'd.

#134 - Tissue Culture

(c) Charles M. Pomerat, Ph.D., Professor of Cytology, The University of Texas - Medical Branch. Fellowship for Tissue Culture Studies of Human Lung. $7,000

#86A - Sydney C. Rittenberg, Ph.D., Professor of Bacteriology, University of Southern California, University Park, Los Angeles 7, California. "Studies on the Mechanism of Bacterial Metabolism of Nicotine and Related Compounds."
$4,104.00 - One year

Grants Approved December 1956

#138 - Morton I. Grossman, Ph.D., M.D., Associate Clinical Professor of Medicine, University of California Medical Center, Los Angeles 24, California. "The Effect of Smoking on Certain Gastric Functions."
$8,400.00 - One year

#142 - Paul D. Saltman, Ph.D., Assistant Professor, Department of Biochemistry and Nutrition, University of Southern California, University Park, Los Angeles 7, California. "Some Aspects of Amino Acid Metabolism in Tobacco Leaves."
$7,560.00 - One year

#146 - Hugh Montgomery, M.D., Associate Professor of Medicine, Hospital of the University of Pennsylvania - Vascular Section, 3400 Spruce Street, Philadelphia, Pennsylvania. "Influence of Nicotine (i.v.) and Tobacco Smoking on Blood Flow in Human Skin and Skeletal Muscle."
$10,500.00 - One year

#137 - Samuel Bellet, M.D., Director, Division of Cardiology, Philadelphia General Hospital - Research Fund, 34th Street and Curie Avenue, Philadelphia 4, Pennsylvania. "Cardiovascular Effects of Smoking and of Nicotine in Experimental Animals and in Human Subjects."
$10,400.00 - One year

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